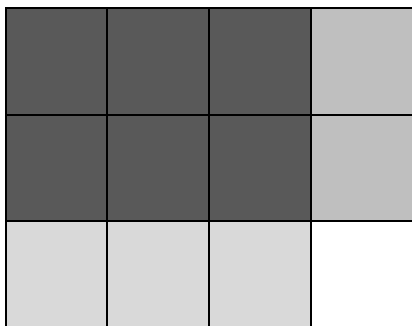


Chapter 6 Multiplying and Dividing Fractions and Mixed Numbers

Quiz Study Guide

Directions: Complete the first page of this study guide. Then, complete #1-15 from page 281 of your textbook.

- 1) What multiplication equation does the model below represent?



_____ X _____ = _____

- 2) Model the multiplication of $\frac{1}{2} \times \frac{3}{4}$ in the grid below.



- 3) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$. Why does the product get smaller when you are multiplying by a unit fraction? Explain using words and/or a diagram.

- 4) What is another way to say "divide by 5"?

- 5) List the steps for multiplying mixed numbers.

1. Change each _____ to _____ and _____.
2. _____ before you _____ if possible.
3. _____ if necessary.

- 6) List the steps for dividing mixed numbers.

1. Change each _____ to _____ and _____.
2. _____ by the _____ of the divisor (leave it, change it, flip it)
3. Multiply as normal
4. _____ if necessary.

Show your work for Page 281#1-15 in the boxes below.

